

LISTING OF CLAIMS

The following “Listing of Claims” replaces all prior versions and Listings of Claims in the application:

Claims 1 through 5. (Canceled).

6. (Currently Amended) A method of forming an article of wear, comprising:

forming at least ~~one~~ a first electronic component and a second electronic component on a surface of a single fiber;

forming a connection line on the surface of the single fiber to connect the first electronic component and the second electronic component;

forming a protective layer over the ~~at least one~~ first and second electronic components, wherein the protective layer is a layer of shield material;

interlacing the single fiber with other fibers to form a piece of fabric; and

forming an article of wear with the fabric.

Claim 7. (Canceled).

8. (Currently Amended) A method of forming an article of wear, comprising:

forming at least ~~one~~ a first electronic component, a second electronic component, and a third electronic component on a surface of a single fiber;

forming a first connection line on the surface of the single fiber to connect the first electronic component and the second electronic component;

forming a second connection line on the surface of the single fiber to connect the second electronic component and the third electronic component;

forming a shield layer over the ~~at least one~~ first, second, and third electronic components;

interlacing the single fiber with other fibers to form a piece of fabric; and

forming an article of wear with the fabric.

Claims 9 through 15. (Canceled).

16. (Currently Amended) An article of wear, comprising:

a piece of clothing material;

at least ~~one~~ a first electronic component and a second electronic component formed over a surface of a single fiber in the piece of clothing material, wherein the surface of the single fiber further includes a connection line connecting the first and second electronic components; and

a protective layer formed over the ~~at least one~~ first and second electronic components, wherein the protective layer is a layer of shield material.

Claim 17. (Canceled).

18. (Currently Amended) An article of wear, comprising:

a piece of clothing material;

at least ~~one~~ a first electronic component, a second electronic component, and a third electronic component formed over a surface of a single fiber in the piece of clothing material, wherein the surface of the single fiber further includes a first connection line connecting the first and second electronic components and a second connection line connecting the second and third electronic components; and

a shield layer formed over the ~~at least one~~ first, second, and third electronic components.

Claims 19 through 25. (Canceled).

26. (New) A method according to claim 6, further comprising:

forming a substrate over a portion of a circumference of the surface of the single fiber, wherein the first and second electronic components are formed on a surface of the substrate.

27. (New) A method according to claim 6, wherein at least one of the first and second electronic components is a transistor completely formed on the surface of the single fiber.

28. (New) A method according to claim 8, further comprising:

forming a substrate over a portion of a circumference of the surface of the single fiber, wherein the first, second, and third electronic components are formed on a surface of the substrate.

29. (New) A method according to claim 8, wherein at least one of the first, second, and third electronic components is a transistor completely formed on the surface of the single fiber.

30. (New) An article of wear according to claim 16, wherein the surface of the single fiber further includes a substrate formed over a portion of a circumference of the surface of the single fiber, wherein the first and second electronic components are formed on a surface of the substrate.

31. (New) An article of wear according to claim 16, wherein at least one of the first and second electronic components is a transistor completely formed on the surface of the single fiber.

32. (New) An article of wear according to claim 18, wherein the surface of the single fiber further includes a substrate formed over a portion of a circumference of the surface of the single fiber, wherein the first and second electronic components are formed on a surface of the substrate.

33. (New) An article of wear according to claim 18, wherein at least one of the first and second electronic components is a transistor completely formed on the surface of the single fiber.